



WBS 6.4

Liquid Argon Calorimeter System: Recent Developments and Next Steps

John Parsons
US ATLAS HL-LHC Level-2 Manager for the LAr Calorimeter System
Columbia University

HL-LHC LAr Weekly Meeting
February 28, 2017



Update and Upcoming Steps

- I was told that LAr would get access to CET last Friday to start loading, then this was delayed until Monday, and I am still waiting
 - Manny says he is very close to being ready, so it should be any time now
 - Recall that uploading to P6, as required before 2-hour “scrubbing” with the PO for each L3, can only start after ALL L3 are loaded, so we will all have to act promptly once we are given the go-ahead to start loading resources
- While waiting, here are things you can do to prepare:
 - Interact with your institutes to complete “To do” list on last slide
 - Review your tasklist and CDR budget (see <https://indico.bnl.gov/conferenceDisplay.py?confId=2663>) in preparation for loading
 - Start updating your BOE (also archived at link above)
 - For guidance, look at Gustaaf’s materials at <https://indico.bnl.gov/conferenceDisplay.py?confId=2832>



Some Thoughts about Loading

- We have cost estimate from ~1 yr ago, that was prepared with input from the relevant institutions
 - This includes mpwr FTE (with labor categories), M&S, travel by fiscal year
- Since then, we have prepared much more detailed Tasklists
 - In some cases, this was achieved by “dividing longer tasks, such as ASIC development, into sequence of shorter, often roughly equal duration, subtasks” (to keep task durations < 2 months or so)
 - In such cases, a good starting point for loading is to roughly divide the original mpwr estimate into these shorter duration subtasks
 - HOWEVER, caution needs to be exercised since that might not always be appropriate (eg. different people do design vs testing in many cases, etc.)
 - Keep in mind that reporting (EVMS, ...) will be done at the task level, so you need to think carefully about the resources needed for each task
 - Also, while you need to “own” your entire L3 RLS, the resources are managed at your institutions and your IC’s need to “own” their piece of your RLS, so think about the best way for you to keep them involved in the loading/scrubbing process



Other Items on To-Do List

- To do list includes:
 - Implement any changes, as per Hal's comments, to the Risk Registry (thanks to those that have already done this) – **need ASAP**
 - Get from each of your institutes the following:
 - Updated Rate Table (hourly rate, fringe rate, ICR rate for each “category” of labor, and also ICR rules/rates for travel and equip/M&S) – **need ASAP**
 - Information requested in my email, in order to prepare the US presentation at the LAr HL-LHC kick-off mtg on Fri. Mar. 10 – **need by Fri. Mar. 3**
 - List of US people expecting to attend kick-off mtg
 - Start updating your BOE – **will need before scrubbing (~2 weeks?)**
- Upcoming events during next week's LAr week:
 - LAr HL-LHC Electronics IDR – Wed. Mar. 8 (<https://indico.cern.ch/event/613355/>)
 - LAr HL-LHC Electronics Kick-off Mtg – Fri Mar. 10 (<https://indico.cern.ch/event/609843/>)